

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION

DR-593

Effective Date: February 1, 2013

Reevaluation Date: **July 2014**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series 05 Aluminum Clad Wood Inswing Hinged Double Patio Doors, Non-impact Resistant,
manufactured by

Eagle Window and Door
2045 Kerper Blvd
Dubuque, Iowa 52001
Telephone: (800) 324-5354
www.eaglewindow.com

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|--|----------------------|------------------------|
| 1 | Series 05 Aluminum Clad Wood Inswing Hinged Double Patio Doors | LC-PG35 79 x 96-SHD | ± 35 psf |
| 2 | Series 05 Aluminum Clad Wood Inswing Hinged Double Patio Doors | LC-PG40 79 x 96-SHD | ± 40 psf |
| 3 | Series 05 Aluminum Clad Wood Inswing Hinged Double Patio Doors | LC-PG30 79 x 102-SHD | ± 30 psf |
| 4 | Series 05 Aluminum Clad Wood Inswing Hinged Double Patio Doors | LC-PG30 79 x 120-SHD | ± 30 psf |

Product Dimensions:

| System | Overall Size | Active / Passive Panel Size | Daylight Opening Size |
|--------|--------------|--|---|
| 1 | 79" x 96" | Both: 38 $\frac{1}{8}$ " x 93 $\frac{3}{16}$ " | 28 $\frac{3}{16}$ " x 80 $\frac{1}{2}$ " |
| 2 | 79" x 96" | Both: 38 $\frac{3}{16}$ " x 93 $\frac{3}{16}$ " | 28 $\frac{3}{16}$ " x 80 $\frac{1}{2}$ " |
| 3 | 79" x 102" | Both: 38 $\frac{3}{16}$ " x 99 $\frac{3}{16}$ " | 28 $\frac{3}{16}$ " x 86 $\frac{1}{2}$ " |
| 4 | 79" x 120" | Active: 38 $\frac{1}{8}$ " x 117 $\frac{3}{16}$ " Passive: 39" x 117 $\frac{3}{16}$ " | 28 $\frac{3}{16}$ " x 104 $\frac{1}{2}$ " |

Hardware:

Hinges:

Systems 1, 3, 4: Eight (8) required (four (4) on each door panel); Secured to the door panel with four (4) No. 12 x 1 $\frac{1}{2}$ " screws. Secured to the door frame with four (2) No. 12 x 1 $\frac{1}{2}$ " screws.

System 2: Six (6) required (three (3) on each door panel); Secured to the door panel with four (4) No. 12 x 1 $\frac{1}{2}$ " screws. Secured to the door frame with four (2) No. 12 x 1 $\frac{1}{2}$ " screws.

Hardware (Continued):

Lock Assembly:

- Systems 1, 2, 3:** 3-point lock system; Located on the active panel
Shoot bolt with lever; located on the passive panel at top and bottom rail
- System 4:** 4- point lock system; Located on the active panel
Shoot bolt with lever; located on the passive panel at top and bottom rail
Mortise door bolt; Located on the passive door panel; Secured with two (2) No. 7 x $\frac{5}{8}$ " screws.

Strike Plates:

- Systems 1, 2, 3, 4:** Latch strike; Two (2) required; Secured to the astragal with two (2) No. 7 x $\frac{5}{8}$ " screws.
Center strike; One (1) required; Secured to the astragal with three (3) No. 7 x $\frac{5}{8}$ " screws.
Head strike plate; One (1) required; Secured to the head frame with two (2) No. 8 x 2 $\frac{1}{2}$ " screws.

Product Identification (Certification Agency Label on Door):

| System | | |
|--------|----------------------------------|---------------------------------|
| 1-4 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Eagle Window and Door, Inc. |
| | Product Name | Hinged Patio Door - Inswing |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 |

Impact Resistance:

| Impact Resistant | Requirement |
|------------------|--|
| No | Impact protective system required when product is installed in areas where windborne debris protection is required |

Installation: The wall framing shall be minimum Southern Yellow Pine dimension lumber. The door assembly shall be secured to the wall framing through the hinges with No. 12 x 2 $\frac{1}{2}$ " screws. Four (4) screws per hinge are required. The door assembly shall be secured to the wall framing through the head strike plate with minimum No. 8 x 2 $\frac{1}{2}$ " screws. Two (2) screws per strike plate are required. The sill is set in a bed of silicone. All fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.